

Europe / Middle East / South Africa:

Alcan Airex AG
Industrie Nord
CH-5643 Sins/Switzerland
Tel. +41 41 789 66 00
Fax +41 41 789 66 60
contact@alcan.com

North America / South America:

Alcan Baltek
108 Fairway Court
Northvale, NJ 07647, USA
Tel. +1 201 767 14 00
Fax +1 201 367 12 01
sales@alcanbaltek.com

Asia / Australia / New Zealand:

Alcan Composites Ltd.
Core Materials Branch
Shangfeng Road 933, Building 6, Pudong
CN-201201 Shanghai, China
Tel. +86 21585 86 006
Fax +86 21 338 272 98
contact@alcan.com

Production Facilities Europe:

Switzerland: Sins
Germany: Osnabrück

Production Facilities Americas:

USA: Northvale NJ / Mt. Juliet TN
Ecuador: Guayaquil / Manta /
Quevedo / Santo Domingo

Production Facilities Asia:

China: Shanghai

www.corematerials.alcancomposites.com



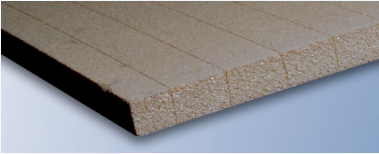
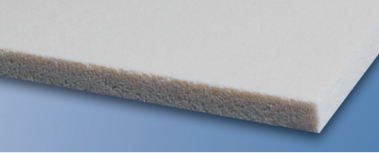
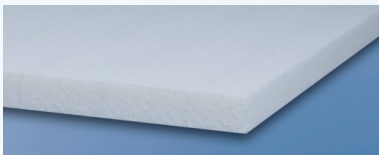

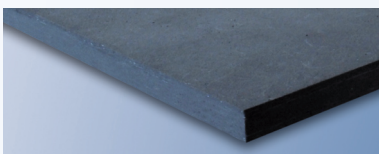
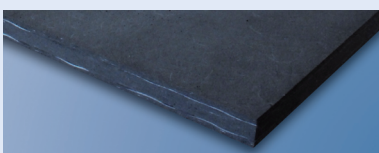

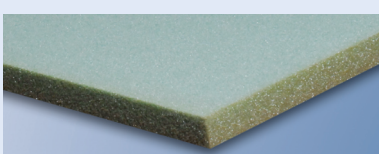


AIREX[®]
BALTEK[®]

**EXCELLENCE IN
CORE SOLUTIONS**

PRODUCT LIST



ALCAN COMPOSITES

		Marine	Wind Energy	Rail	Road	Aerospace	Industrial
AIREX® R63 Damage Tolerant Foam (60–140 kg/m³)		...		•	•		••
AIREX® R82 High Performance Foam (60–110 kg/m³)		•		••	•	•••	•••
AIREX® T90 Easy Processing Structural FST Foam (110–320 kg/m³)		••		•••	••	•	••
AIREX® T92 Easy Processing Structural Foam (105–135 kg/m³)		•••	•••	•	•••		••
AIREX® PXc Fiber-Reinforced Structural Foam (150–420 kg/m³)		•••			••		••
AIREX® PXw Fiber-Reinforced Structural Foam Panel (320–420 kg/m³)		•••	••		••		••
AIREX® C52 Industrial Processing Foam (60 kg/m³)		•	••	•	•		••
AIREX® C70 Universally Structural Foam (40–250 kg/m³)		•••	•••	••	••	•	•
AIREX® C71 Elevated Temp. Structural Foam (60–80 kg/m³)		••	•••	•••	•	••	••
BALTEK® SB Structural End-Grain Balsa (94–247 kg/m³)		•••	•••	•••	•••	•	••

CHARACTERISTICS	APPLICATIONS	PROCESSING						
		Contact moulding (hand/ spray)	Vacuum infusion	Adhesive bonding	Pre-preg	Resin injection (RTM, VARTM)	Compression moulding (SMC, GMT)	Thermoforming
<ul style="list-style-type: none"> – outstanding damage tolerance – no crack propagation – exceptional thermoformability – high fatigue resistance – excellent skin adhesion 	Sandwich structures subjected to high impact and shock loads	✓	✓	✓				✓
<ul style="list-style-type: none"> – fulfills the most stringent fire and smoke regulations (FAR, NF, DIN) – excellent temperature performance (high and low); remains ductile at -194° C – high strength to weight ratio – outstanding dielectric properties – good fatigue properties 	Sandwich structures with very high requirements regarding FST or service and processing temperatures. Applications requiring radar transparency	✓	(✓)	✓	✓			✓
<ul style="list-style-type: none"> – fulfills stringent fire and smoke requirements – excellent fatigue and creep properties – easy processing with all resins and processing technologies – suitable for high service and processing temperatures – high mechanical properties, especially in compression strength and stiffness 	Sandwich structures subjected to high static or dynamic loads, high service and processing temperatures, high FST requirements	✓	✓	✓	✓	✓	✓	✓
<ul style="list-style-type: none"> – Good compression and shear properties – excellent fatigue and creep properties – easy processing with all resins and processing technologies – suitable for high temperatures – good impact strength 	Sandwich structures subjected to high static or dynamic loads, high service and processing temperatures	✓	✓	✓	✓	✓	✓	✓
<ul style="list-style-type: none"> – high mechanical properties, especially in shear strength and stiffness – compatible with all resins and processes – chemically and thermally stable – low water absorption 	Sandwich structures subjected to very high loads, high process or service temperature	✓	✓	✓	✓	✓	(✓)	
<ul style="list-style-type: none"> – outstanding flexural (bending) strength and stiffness – compatible with all resins and processes – chemically and thermally stable – low water absorption 	Ideally suited as a stand-alone panel replacing wood or plywood applications	✓	✓	✓	✓	✓	(✓)	
<ul style="list-style-type: none"> – high impact strength – easily formable (cold and hot) – good fatigue properties – reduced resin consumption thanks to functional surface fleece – good thermal insulation 	Sandwich structures and panels subjected to dynamic loads, suitable for automated closed mold processes such as RTM, GMT Ideal for industrial, high-volume sandwich part production	✓	✓	✓	✓	✓	✓	✓
<ul style="list-style-type: none"> – high stiffness and strength to weight ratio – good impact strength – good temperature performance (not affected by post-curing of skins at 80° C) 	Any sandwich structure or panel subjected primarily to static and dynamic loads	✓	✓	✓	✓	✓		✓
<ul style="list-style-type: none"> – high stiffness and strength to weight ratio – good impact strength – high temperature performance (not affected by post-curing of skins at 140° C) 	Any sandwich structure or panel subjected to static and dynamic loads which are exposed to high temperatures during manufacturing or in service	✓	✓	✓	✓	✓		✓
<ul style="list-style-type: none"> – outstanding strength and stiffness to weight ratio – excellent fire characteristics – very good chemical and thermal resistance (-212° C to +163° C) – ecological product 	Sandwich structures subjected to high static and dynamic loads, high temperatures or fire requirements	✓	✓	✓	✓	✓	✓	